

***The comparasion effect of interavenous Ibuprofen and Pethedine in prevention of post operative shivering after laparoscopic cholecystectomy with general anesthesia in Ardabil Imam Khomeini hospital in the year 96-97***

***Abstract:***

***Backgrond and Objective:***Post operative shivering is a common complication after surgery.The present study compares the effect of Pethedine and interavenous Ibuprofen in prevention of shivering after laparoscopic cholecystectomy. Within one hour after entering the recovery,shivering were checked and recorded.

***Metodes:*** The present study was a triple-blind trial.120 pateints undergoing laparoscopic cholecystectomy with ASA1, 2 and age 20 to 70 years old were included in this study.They were randomly divided in to 3 groups of 40 and in the last 30 minutes they received medications that included Ibuprofen 800 mg, Placebo and Pethedine 30 mg.After surgery and in recovery at different moment, the degree of shivering, nausea and vomiting, sedation and pain were checked and recorded.

***Result:*** Demografic data, age, sex, weight, duration of surgery and ASA were not significantly different in the three groups.Shivering in the three groups were not significantly different at any time ( $p>0.05$ ). Pain in all moments of this study in the Pethedine group was less than the other two groups and in the Ibuprofen group was less than placebo.Post opearative pain in the three groups initially increased and then decreased. Nausea and vomiting in the three groups were not significantly different at any time( $p>0.05$ ). However, the incidence of nausea and vomiting in the Ibuprofen group was 92.5% in the Pethidine group 65% and placebo group 90% wich is significantly different.There was a significant difference between three groups in sedation in three moments of 0, 5 and 10 minutes but in 15, 30, 60 minutes this difference is not significant.Although sedation score Ibuprofen group was lower in all moments and Pethedine was higher than other groups. Deep sleepiness and ramsy score above 4 Pethedine were significantly more than the other two groups.

***Coclusion:*** Pethidine and interavenous Ibuprofen had no significant difference in shivering control, but nausea and vomiting and sleepiness in pethidine group was higher than Ibuprofen, therefore intravenous Ibuprofen is a good alternative to pethidine.

***Keyword:*** general anesthesia, shivering, Ibuprofen, Pethedine